

Title (en)  
PROCESS FOR PREPARING BETAINES

Publication  
**EP 0020907 B1 19821020 (DE)**

Application  
**EP 80102053 A 19800417**

Priority  
DE 2926479 A 19790630

Abstract (en)  
[origin: ES8101040A1] A method for the preparation of betaines is disclosed, the betaines having the general formula  $R_1CONH(CH_2)_xN(+)R_2R_3(CH_2)_yCOO(-)$  in which  $R_1$  is the alkyl residue of a fatty acid with 6 to 18 carbon atoms,  $R_2$  and  $R_3$  are the same or different and represent alkyl residues with 1 to 4 carbon atoms,  $x=2$  or  $3$ , and  $y=1, 2$  or  $3$ . The betaines are prepared by quaternizing fatty acid amides having the formula  $R_1CONH(CH_2)_xNR_2R_3$  with omega -halogenalkylcarboxylic acids having the formula  $X(CH_2)_yCOOH$  wherein  $X$  is a halogen residue, and carrying out the quaternization at a pH of 7.5 to 10.5 measured at 98 DEG C. The reaction product obtained from the process is essentially free of unreacted amides and organically linked chlorine and thus avoids the skin irritations normally associated with compounds in which such betaines are used.

IPC 1-7  
**C07C 103/54**; **C07C 102/00**

IPC 8 full level  
**A01N 37/44** (2006.01); **A61K 8/00** (2006.01); **A61K 8/40** (2006.01); **A61Q 5/02** (2006.01); **A61Q 19/10** (2006.01); **C07C 67/00** (2006.01); **C07C 231/00** (2006.01); **C07C 231/12** (2006.01); **C07C 233/36** (2006.01)

CPC (source: EP US)  
**C07C 231/00** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
BE FR GB IT NL

DOCDB simple family (publication)  
**EP 0020907 A2 19810107**; **EP 0020907 A3 19810701**; **EP 0020907 B1 19821020**; DE 2926479 B1 19801106; DE 2926479 C2 19811008; ES 491913 A0 19801216; ES 8101040 A1 19801216; JP S5610156 A 19810202; JP S5748144 B2 19821014; US 4497825 A 19850205

DOCDB simple family (application)  
**EP 80102053 A 19800417**; DE 2926479 A 19790630; ES 491913 A 19800528; JP 8799380 A 19800630; US 44284782 A 19821116